

Figure 1A

Wavelength (nm)      Wavenumber (cm<sup>-1</sup>)

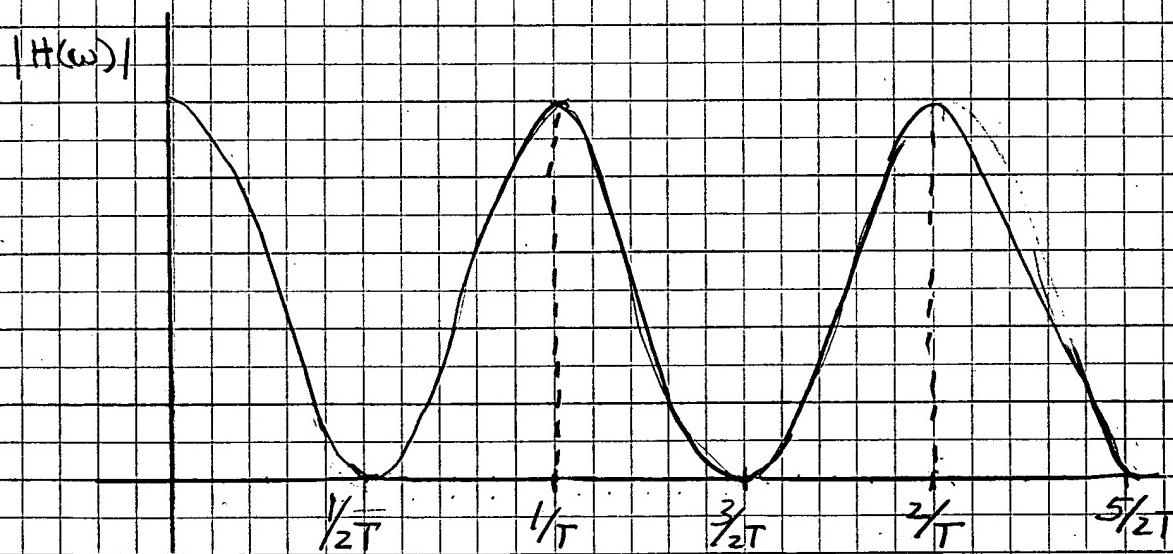


Figure 1B

B600 - 36980 4529

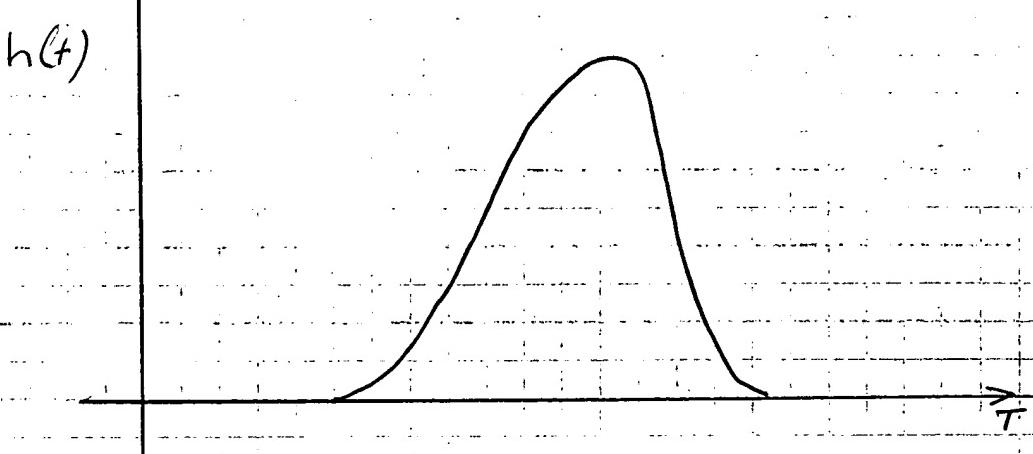
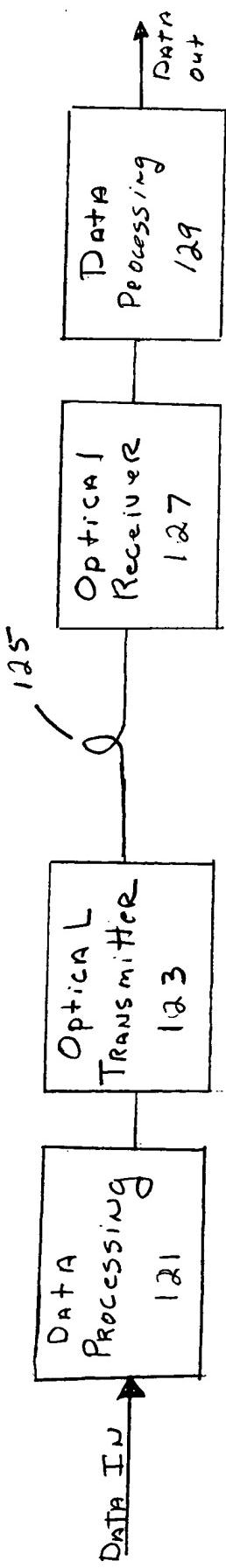


Figure 1c.

Figure #1D



# Multicarrier Modulation Block Diagram (Transmitter)

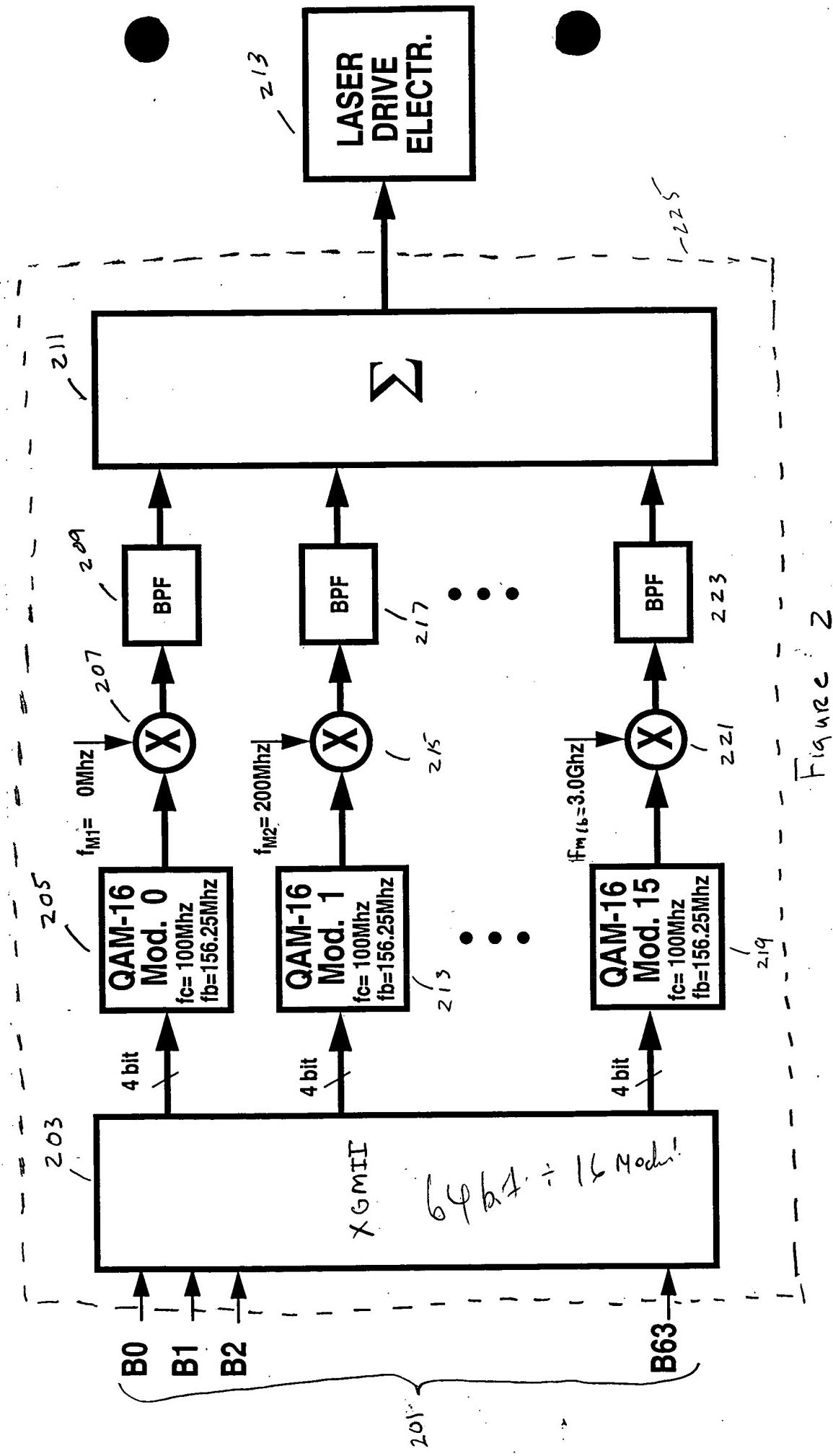
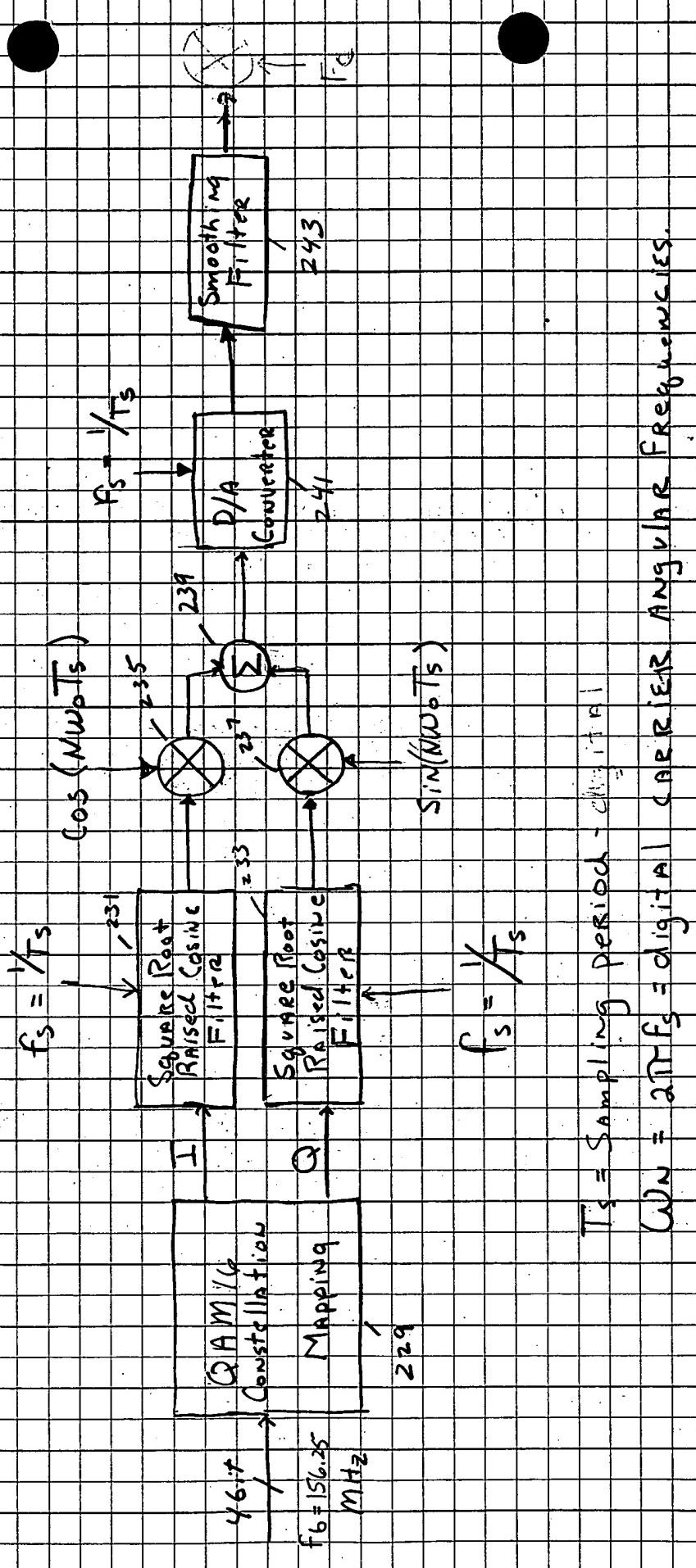


Figure 2

205



$T_s$  = Sampling period - optional

$\omega_n = 2\pi f_s$  = digital carrier angular frequencies

Figure 21B

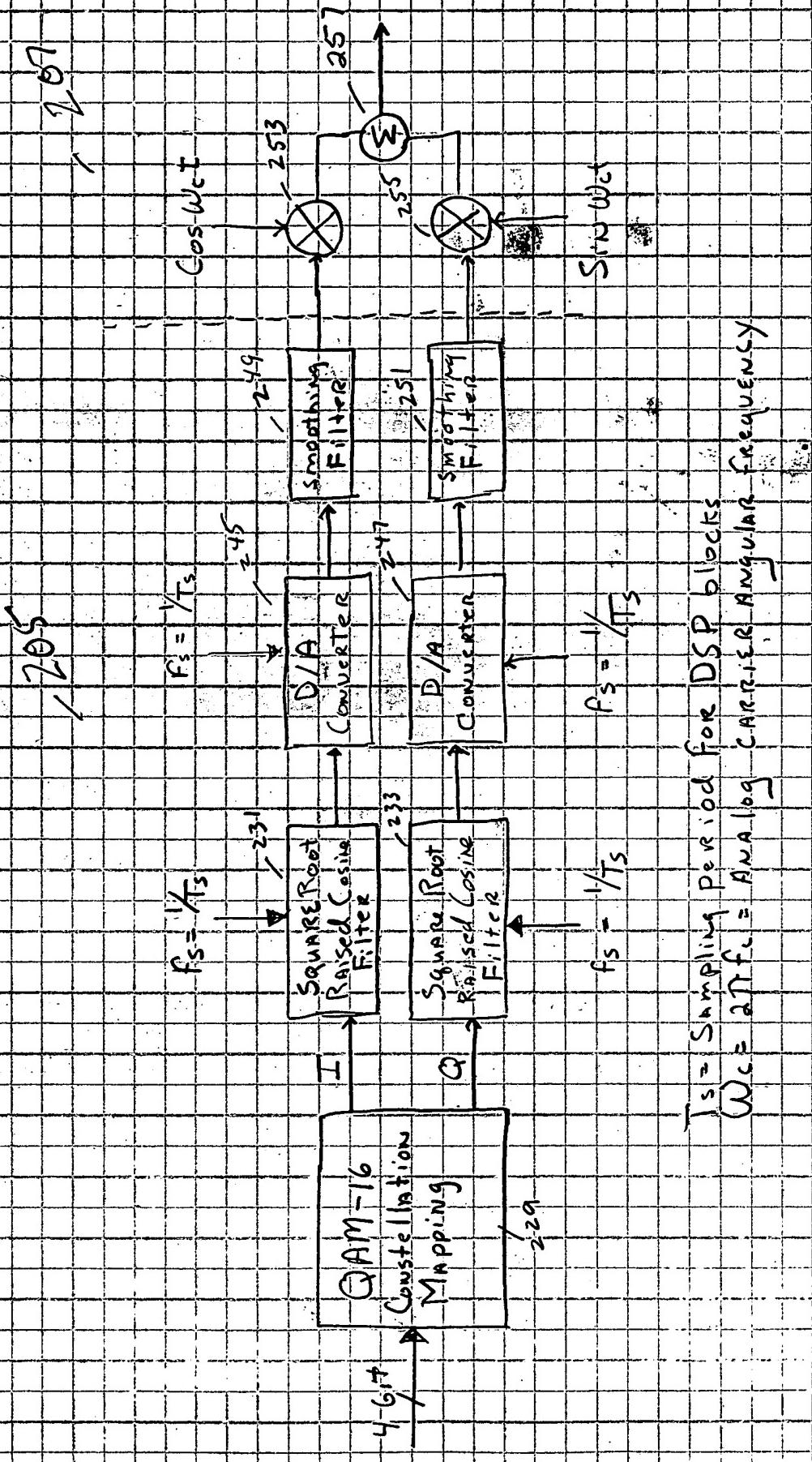


Figure 2C

# Multicarrier Modulation Block Diagram (Receiver)

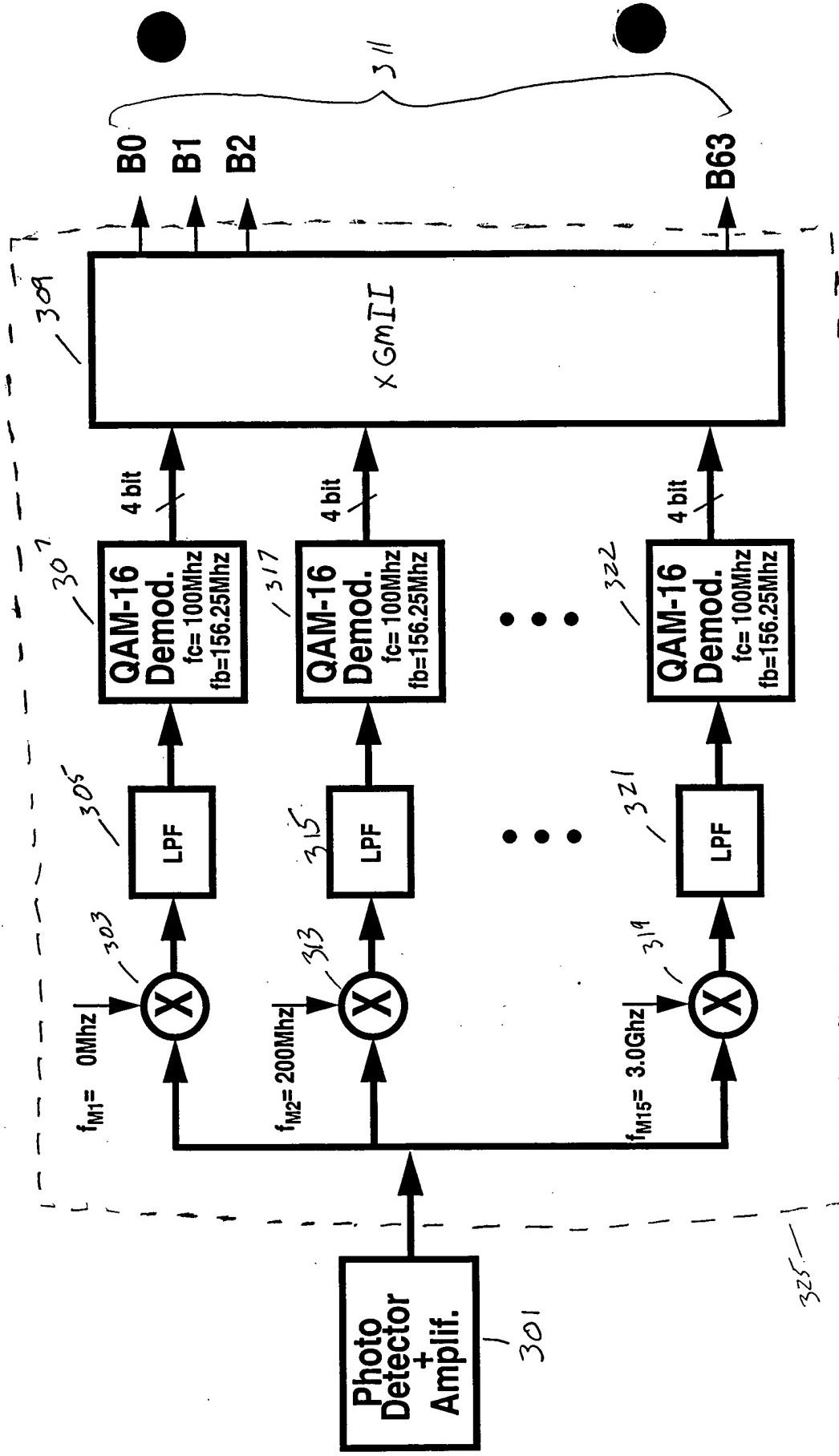


Figure 3

# Alternative Implementation (Transmitter)

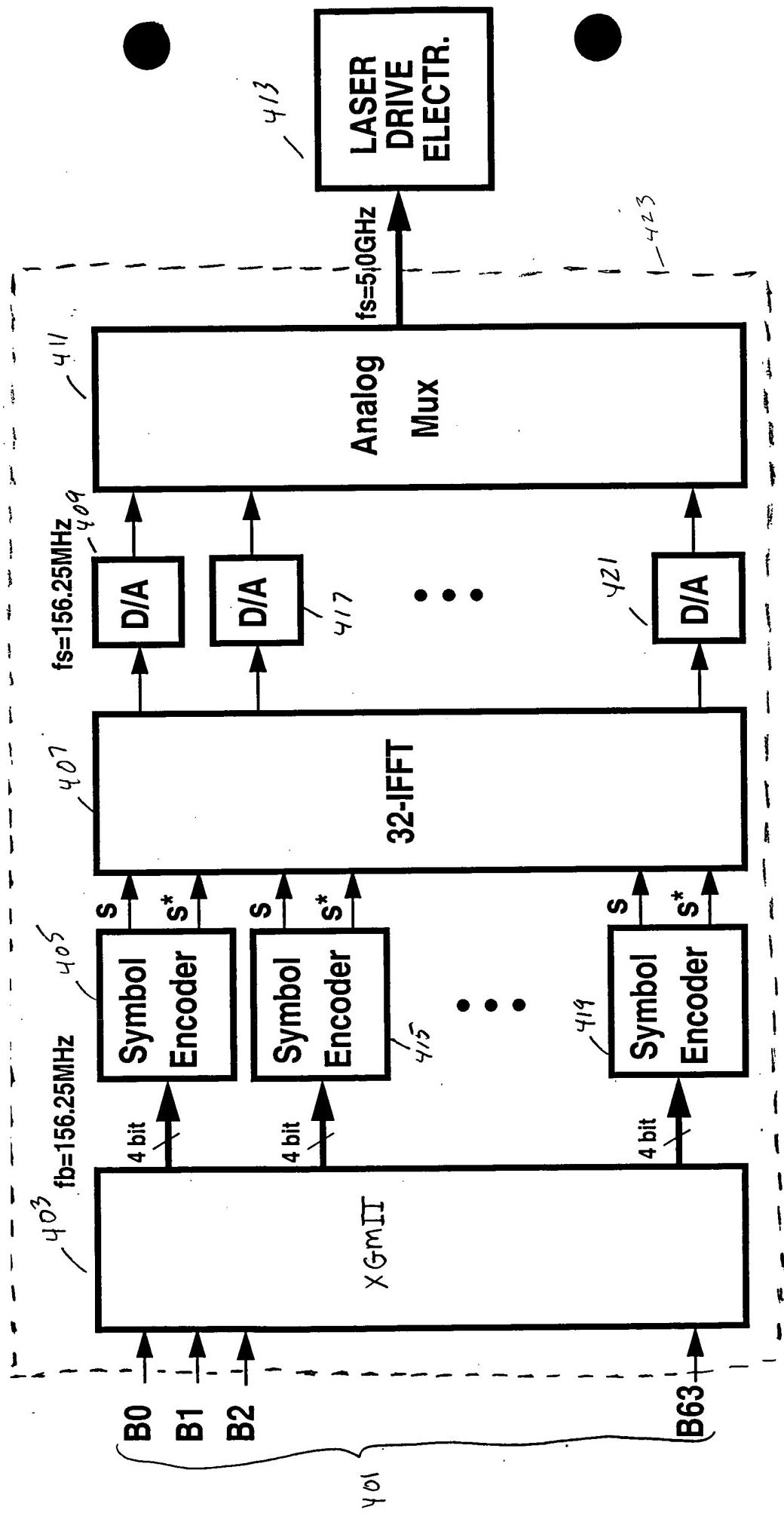


Figure 4

# Alternative Implementation of Multicarrier Modulation (Receiver)

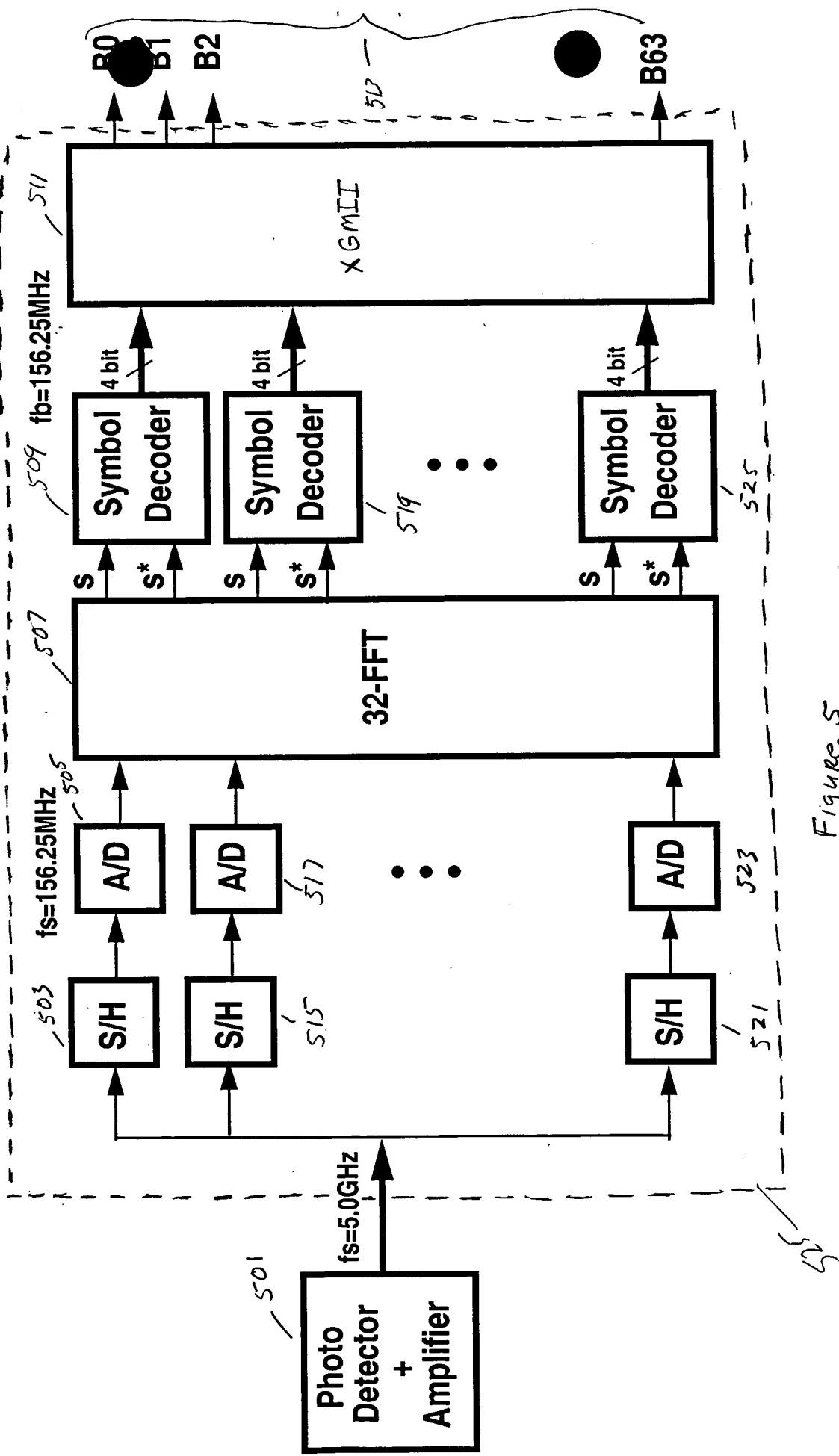


Figure 5

603 604 605 606 607 608

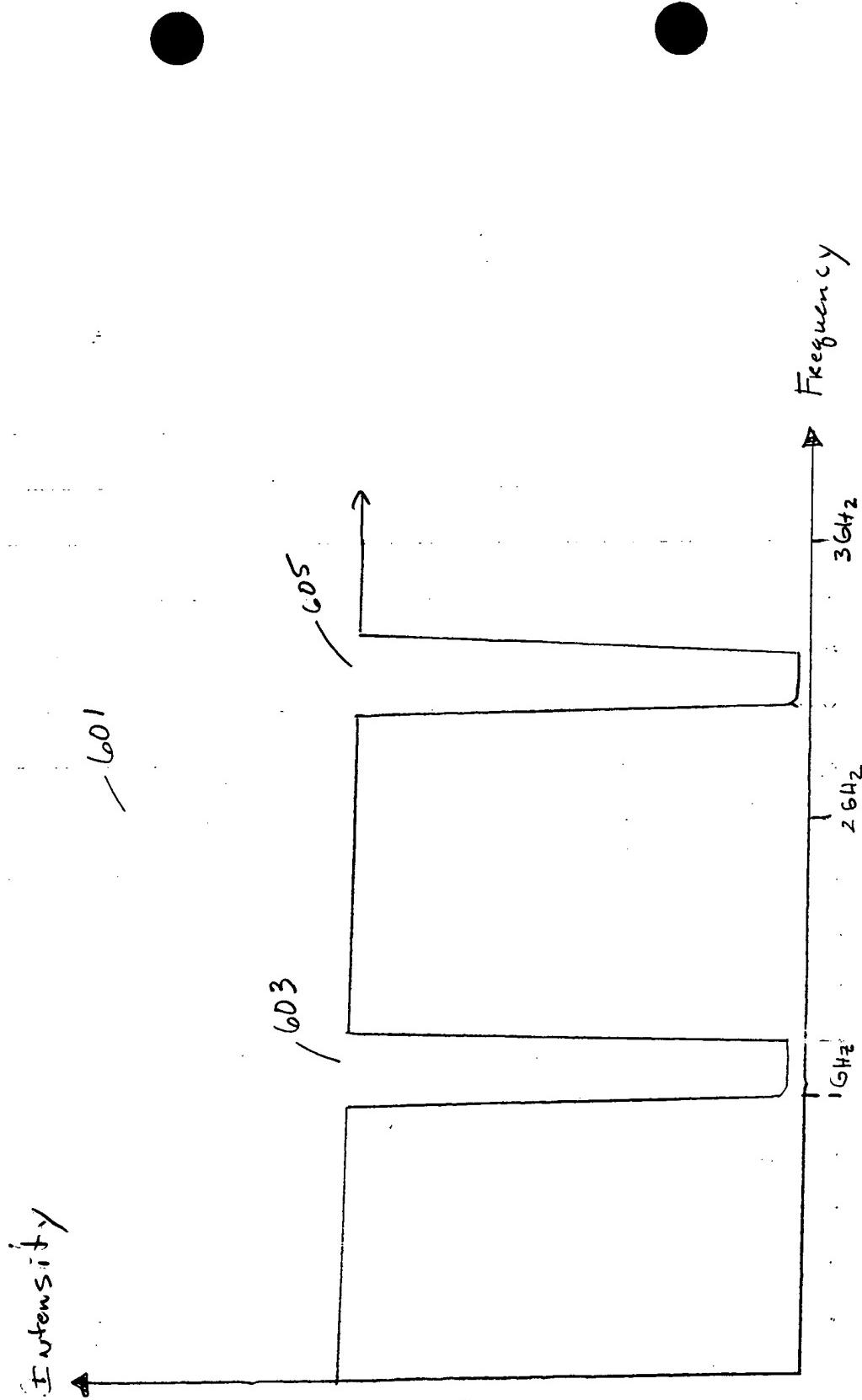


Figure 6

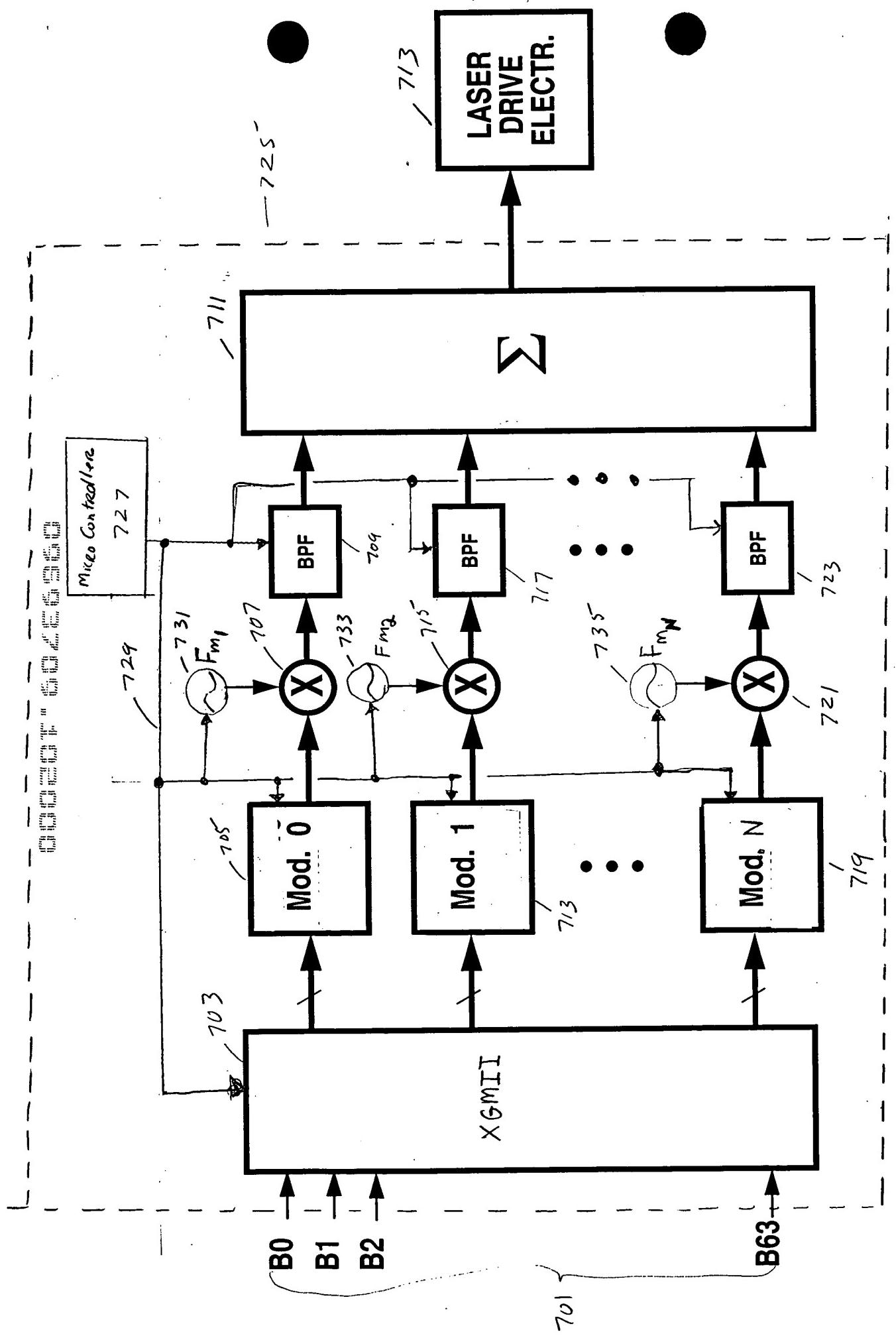


Figure 7A

Document Generated by CamScanner

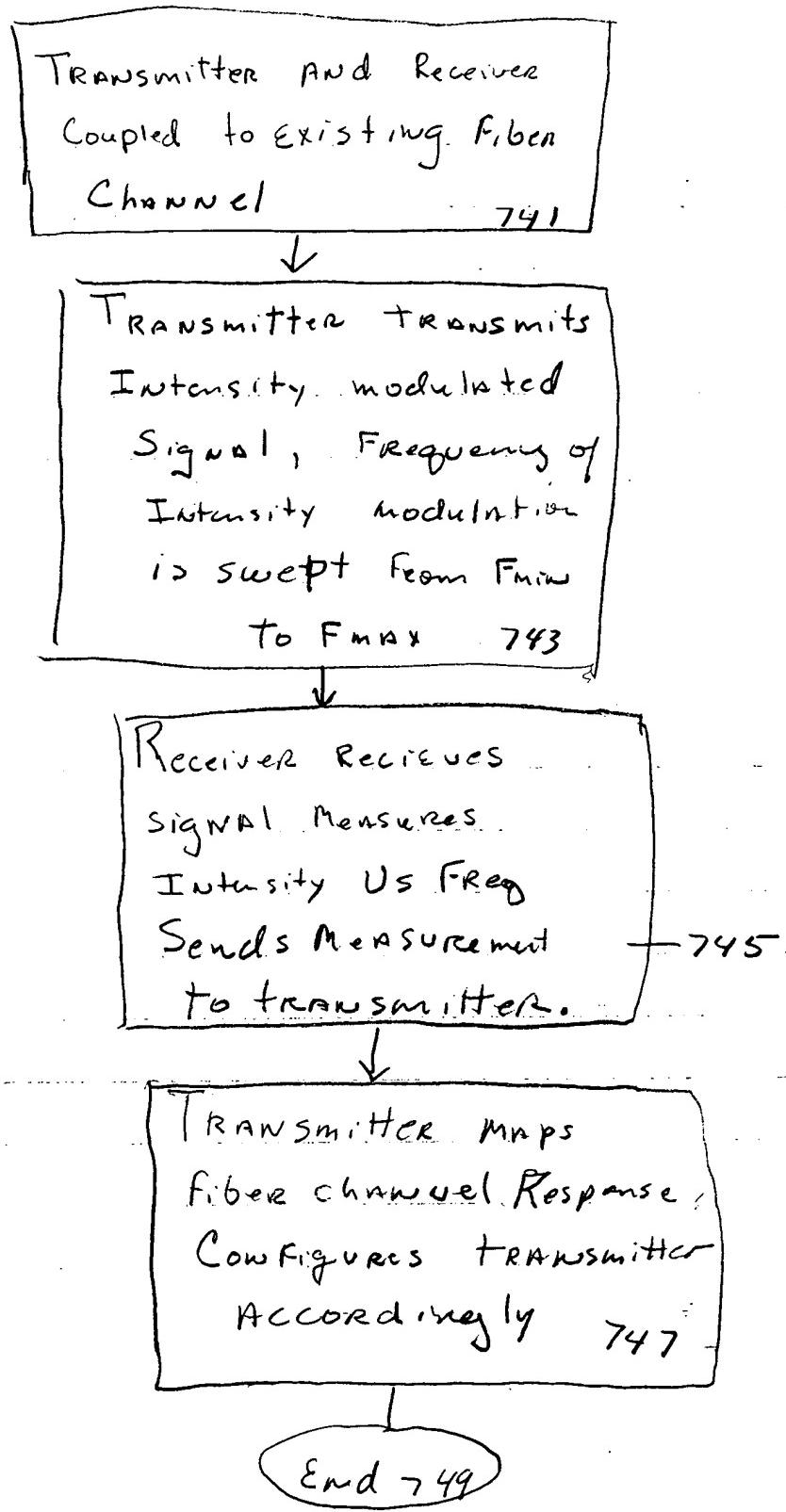


Figure 7B

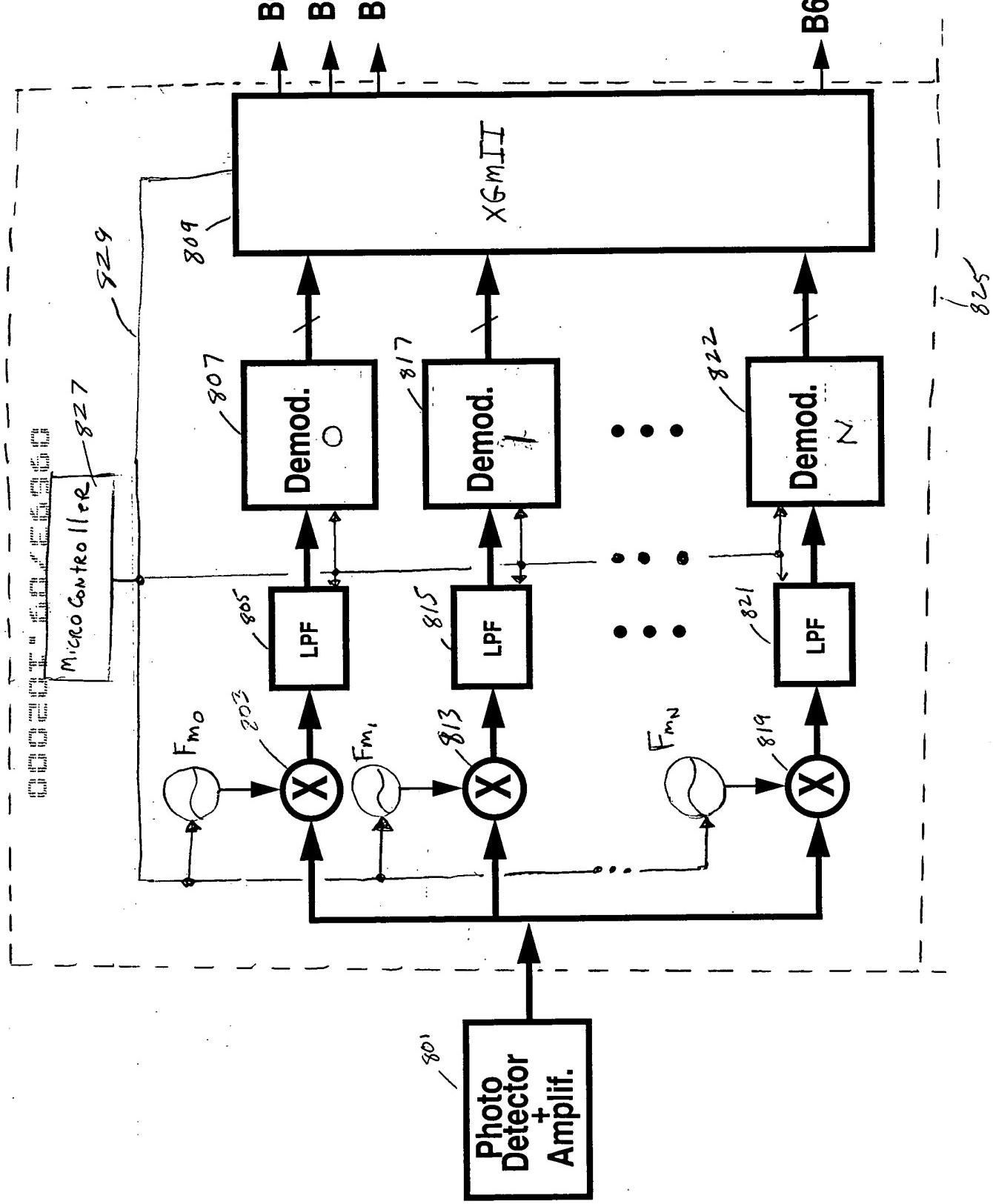


Figure 8

DATA IN DATA OUT

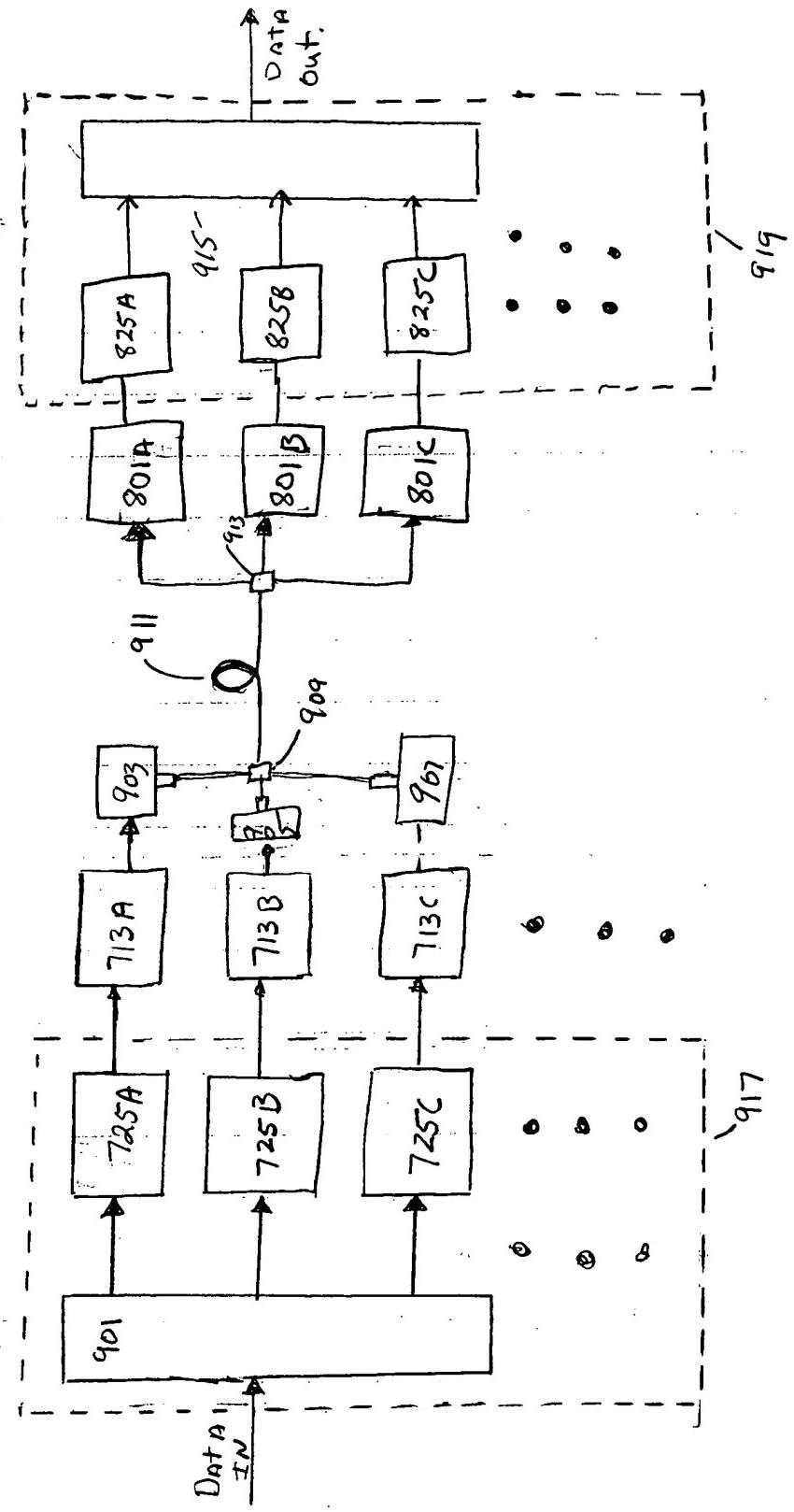


Figure 9

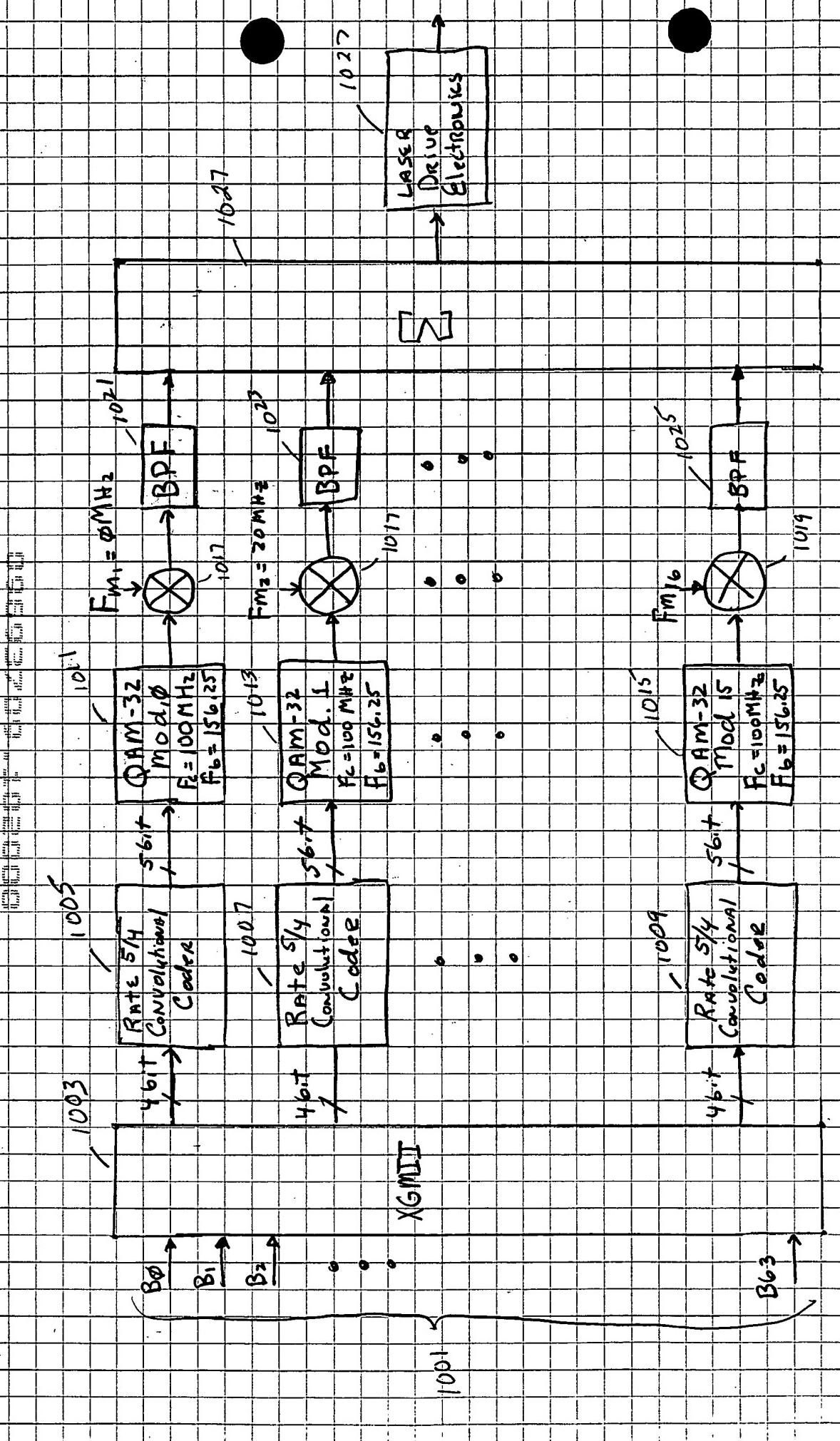


Figure e 10

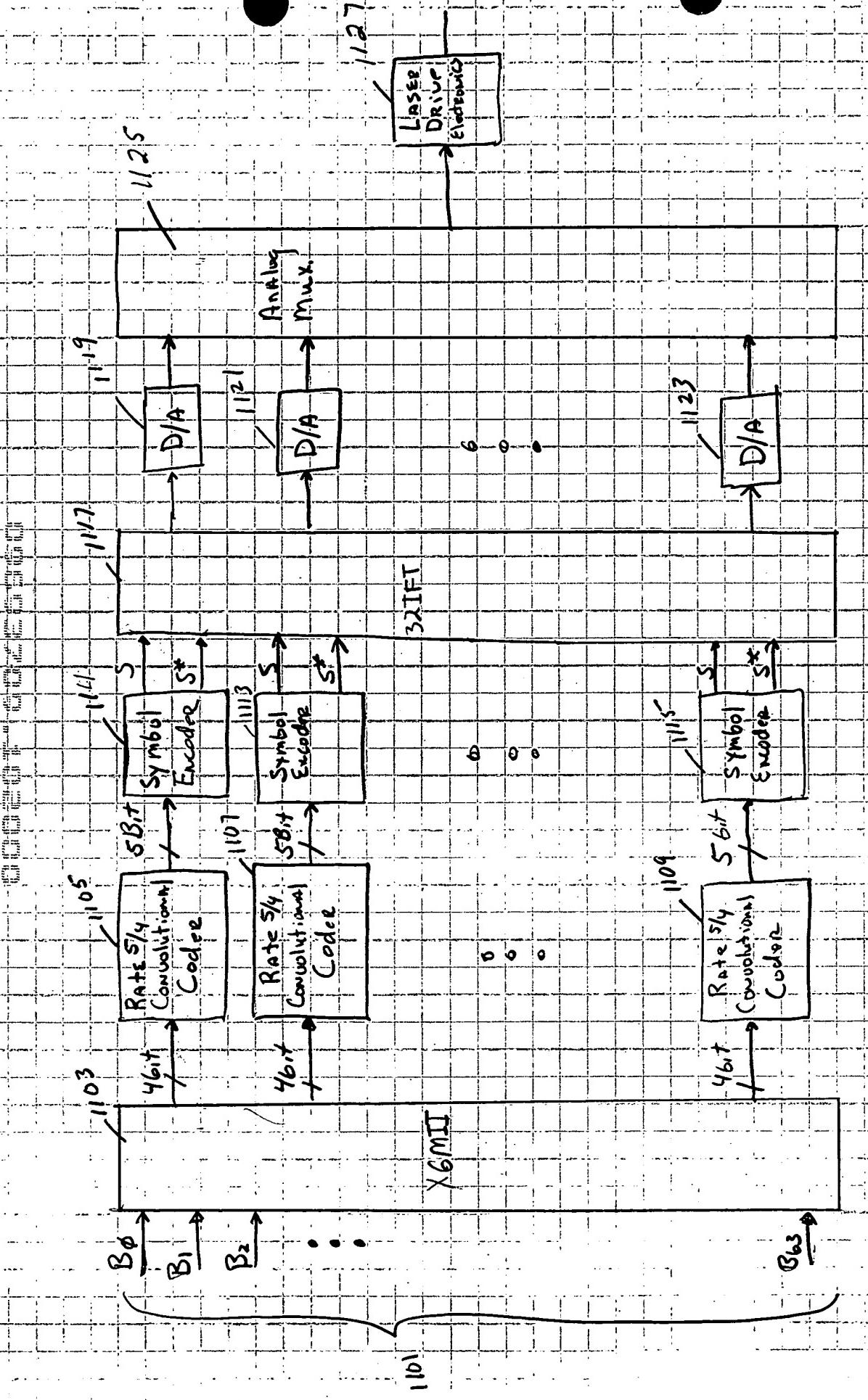


Figure 11

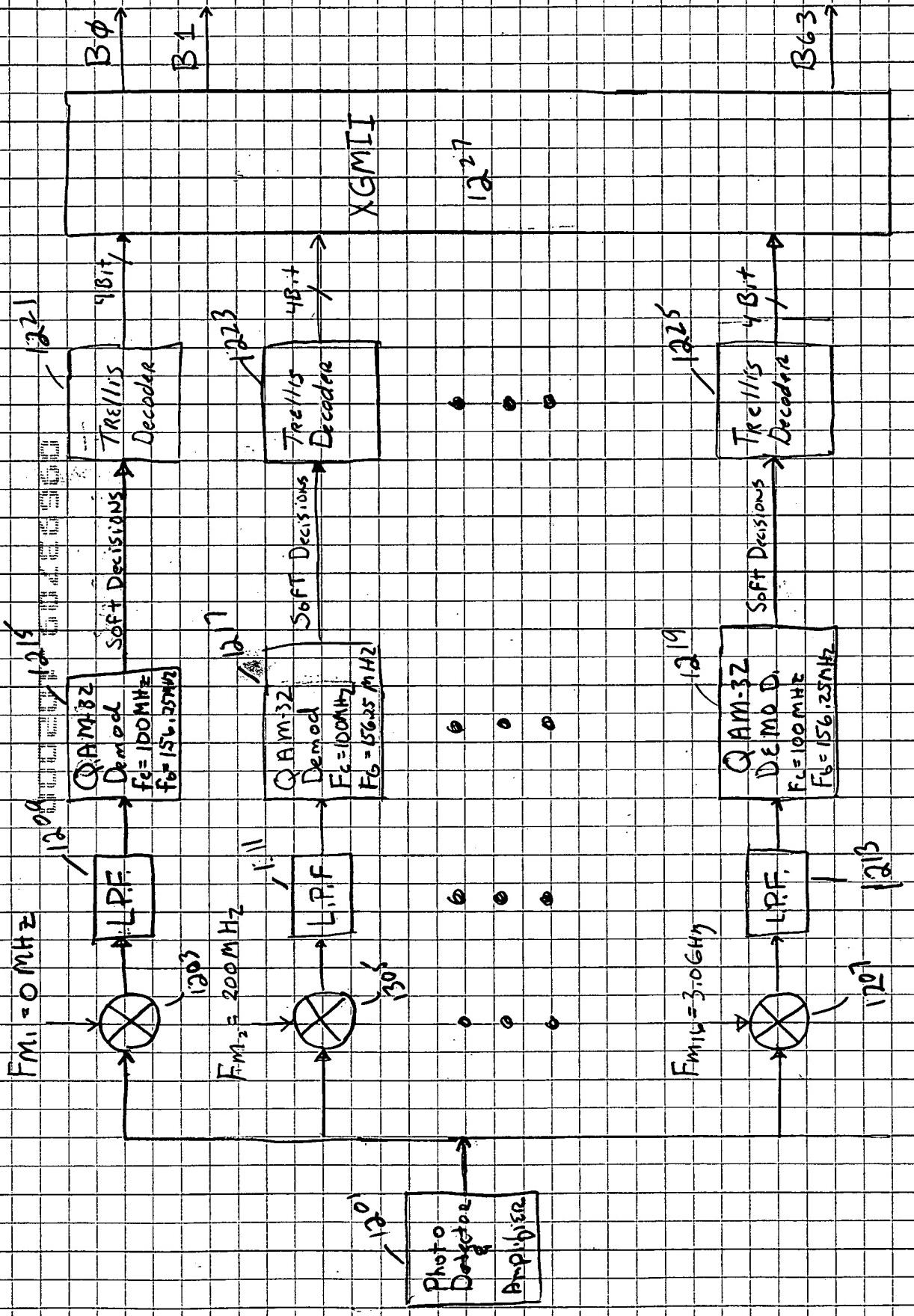


Figure 12.

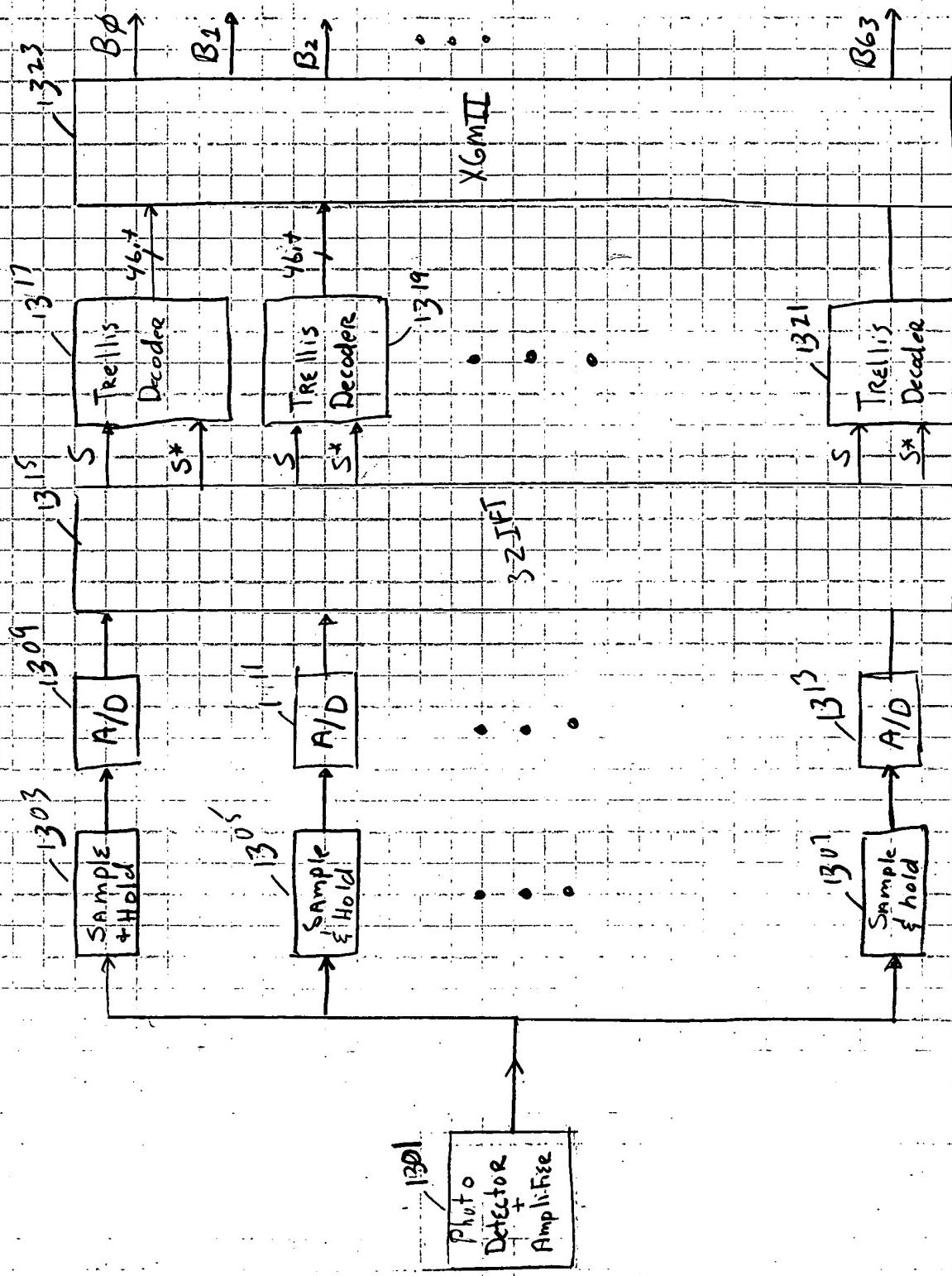


Figure 13